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DESCRIPTORS: *Polymers, Lubricants, Synthesis,
*Silicon compounds, Films, Silicones, Silanes.

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compounds suitable for the preparation of resins, film-
forming substances, lubricants and insulating fluids.
These compounds are characterized by the presence of
a siloxane group, in consequence of which they show a
tendency to undergo condensation. Alkyl and aryl silane
chlorides are hydrolyzed by water and the products of
hydrolysis are simultaneously condensed to high molec-
ular resins. Organosilicon films possess high elec-
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Order from OTS or SLA \$1.10 63-10082

Trans. of Vysokomolekululyarnaya Soedin[eniya] (USSR)
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DESCRIPTORS: *Polymerization, *Methyl radicals,
*Silicon compounds, *Nitrogen compounds, Polymers,
Methanes, Catalysts, Synthesis.

The reactions of hexamethylcyclotrisilazane and
octamethylcyclotetrasilazane in the presence of alkali
were studied, and it was shown that the reaction is
accompanied by the evolution of methane and formation
of "cyclolinear" polymers. Polymers with molecular
chains containing the Si-N-Si bond, with m.p. up to
500°, and good solubility in benzene were synthesized.
(Author)

63-10082

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7040128

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3 refs. [DSIR LLU] M 3158.
Order from OTS or SLA \$1.10

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p. 1590-1594.
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DESCRIPTORS: *Metalorganic compounds, *Silanes,
Aluminum compounds, Cobalt compounds, Nickel com-
pounds, *Polymers, Synthesis.
(Chemistry--Organic, TT, v. 6, no. 12) (over)

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